VELECO ZT15

VELECO ZT15 3-Wheel Mobility Scooter User Manual

Model: ZT15-3 (TMEC508) | Brand: VELECO

1. Introduction

Thank you for choosing the VELECO ZT15 3-Wheel Mobility Scooter. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new mobility device. The ZT15 is designed to offer reliable and comfortable mobility, featuring a robust build, powerful brakes, and an automatic electromagnetic braking system for enhanced safety.

Key features include:

- Fully assembled and ready to use (minor final assembly required)
- High-quality medical vehicle standards
- Full access to spare parts
- Large wheels and powerful brakes for safety in all conditions
- Automatic electric brake for increased safety



Figure 1.1: The VELECO ZT15 3-Wheel Mobility Scooter in blue.

2. Setup and Initial Preparation

While your VELECO ZT15 scooter is largely pre-assembled for convenience, some minor final assembly steps are required upon delivery to ensure it is ready for safe operation. Please follow these instructions carefully.

2.1 Unpacking and Inspection

1. Carefully remove the scooter from its packaging.
2. Inspect all components for any signs of damage during transit. Report any damage to your dealer immediately.
3. Ensure all parts listed in the packing list are present.

2.2 Assembly Steps

The following components typically require final assembly:

- **Front Wheel:** Attach the front wheel, ensuring the brake drum is correctly aligned.
- **Handlebars:** Securely attach the handlebars to the steering column.
- **Backrest and Seat:** Install the backrest onto the seat assembly, then attach the complete seat to the scooter frame.
- **Basket:** Mount the metal basket to the designated area, typically at the rear of the scooter.
- **Batteries:** Install the batteries into their compartment. Refer to the battery installation instructions below.



Figure 2.1: Labeled diagram of the scooter's components, including mirrors, LED lights, indicators, brake drum, charging port, adjustable backrest, wide seat, liftable armrests, under-seat storage, alloy wheels, rear lights, reflectors, motor, and tubeless pneumatic tires.

2.3 Battery Installation and Initial Charging

The VELECO ZT15 uses a Lead-Acid 48V20Ah battery system. It is crucial to properly install and fully charge the batteries before first use.

1. Locate the battery compartment, typically under the seat.
2. Connect the battery terminals according to the polarity markings (+ to + and - to -). Ensure connections are secure.
3. Close the battery compartment securely.
4. Connect the charger to the scooter's charging port and then to a standard electrical outlet (Input: 180-240V AC, 50/60Hz, 1.5A).
5. Allow the batteries to charge completely. The charger indicator will typically change color when fully charged. This initial charge may take several hours.

3. Operating Instructions

Familiarize yourself with the controls and functions of your ZT15 scooter before operating it.

3.1 Controls Overview

- **Ignition Key:** Used to turn the scooter on/off.
- **Throttle:** Controls speed.
- **Brake Levers:** Activates the front and rear brakes.
- **Speed Modes:** The scooter features multiple speed settings (e.g., 3 km/h, 8 km/h, 21 km/h) for varying environments. Select the appropriate speed using the control switch.

- **LED Speedometer/Dashboard:** Displays speed, battery level, and other vital information.
- **Headlights/Tail Lights/Indicators:** For visibility and signaling.



Figure 3.1: Control buttons for various functions.



Figure 3.2: Ignition key slot.



Figure 3.3: LED digital dashboard displaying speed and battery.

3.2 Starting and Driving

1. Insert the key into the ignition and turn it to the 'ON' position.
2. Ensure you are seated comfortably and have a clear path.
3. Gently apply the throttle to begin moving. Increase throttle gradually to accelerate.
4. To slow down or stop, release the throttle and apply the brake levers. The automatic electromagnetic brake provides additional stopping power.

5. Always maintain a safe speed, especially when navigating turns or uneven terrain. The scooter has a turning radius of 1900 mm and can handle climbing angles up to 17 degrees.



Figure 3.4: The VELECO ZT15 scooter in motion.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your VELECO ZT15 scooter.

4.1 Battery Care

- **Charging:** Recharge the batteries after each use, or at least once a week if not used frequently. Avoid fully discharging the batteries.
- **Storage:** If storing the scooter for an extended period, ensure batteries are fully charged and disconnect them if possible. Recharge monthly to prevent deep discharge.

- **Cleaning Terminals:** Keep battery terminals clean and free of corrosion.

4.2 Tires

The ZT15 is equipped with tubeless pneumatic tires.

- **Tire Pressure:** Check tire pressure regularly and maintain it at the recommended level (refer to the tire sidewall for specifications). Proper inflation ensures safety and extends tire life.
- **Inspection:** Inspect tires for wear, cuts, or punctures. Replace worn tires promptly.

4.3 General Cleaning and Inspection

- **Cleaning:** Clean the scooter regularly with a damp cloth and mild detergent. Avoid using high-pressure washers or harsh chemicals.
- **Fasteners:** Periodically check all nuts, bolts, and fasteners to ensure they are tight.
- **Brakes:** Test the brakes regularly to ensure they are functioning correctly.

5. Troubleshooting

This section addresses common issues you might encounter with your VELECO ZT15 scooter.

Problem	Possible Cause	Solution
Scooter does not turn on.	Key not fully inserted or turned; Battery low or disconnected; Fuse blown.	Ensure key is fully inserted and turned to 'ON'; Check battery connections and charge level; Inspect and replace fuse if necessary.
Scooter loses power or slows down.	Low battery charge; Overloaded; Motor overheating.	Recharge batteries fully; Reduce load; Allow motor to cool down.
Brakes feel weak or inconsistent.	Brake pads worn; Brake cable loose; Electromagnetic brake malfunction.	Inspect brake pads and replace if worn; Adjust brake cable tension; Contact support for electromagnetic brake issues.
Speedometer/Odometer not working.	Sensor issue; Wiring problem.	Check for loose connections to the dashboard; Contact support for repair.
Unusual noises during operation.	Loose components; Motor issue; Wheel bearing issue.	Inspect for loose parts and tighten; Contact support for motor or wheel bearing inspection.

If you encounter a problem not listed here, or if the suggested solutions do not resolve the issue, please contact VELECO customer support or your authorized dealer.

6. Specifications

Detailed technical specifications for the VELECO ZT15 3-Wheel Mobility Scooter.



Figure 6.1: ZT15 Electric Mobility Scooter Technical Specifications.

Feature	Specification
Model Name	ZT15-3 (TMEC508)
Dimensions (L x W x H)	160 x 69 x 108 cm (63 x 27.2 x 42.5 inches)
Item Weight	104 kg (229 lbs)
Max Load Capacity	160 kg (352 lbs)
Battery Type	Lead-Acid
Battery Model	48V20Ah
Charger Input	180-240V AC, 50/60Hz, 1.5A
Charger Output	59.2V DC - 2.6-3.0A
Turning Radius	1900 mm
Climbing Angle	17°
Material	Steel Alloy
Color	Blue
Manufacturer	VELECO
Country of Origin	Poland

7. Warranty and Support

VELECO is committed to providing high-quality products and excellent customer service.

7.1 Spare Parts

Full access to spare parts is available for your VELECO ZT15 scooter. This ensures that any necessary repairs or replacements can be carried out efficiently, extending the life of your product.

7.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact your authorized VELECO dealer or VELECO customer support directly. Provide your model number (ZT15-3 or TMEC508) and purchase details when contacting support to facilitate a quicker resolution.

You can often find contact information on the VELECO official website or through your purchase documentation.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question